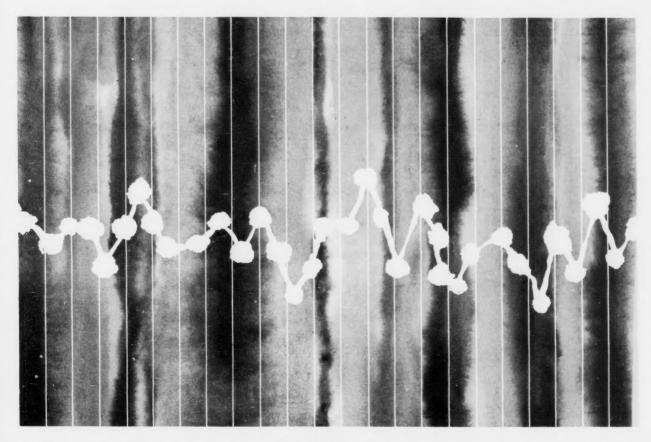
# defense indicators

**FEBRUARY 1975** 







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This publication is prepared under the general guidance of an interagency committee established by the Office of Management and Budget. This committee consists of the following persons:

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# defense indicators

# February 1975

Series ES4 No. 75-2

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#### **6 SESA PROJECTS**

for economic analysis

**BUSINESS CONDITIONS DIGEST** A monthly report for analyzing economic fluctuations over a short span of years.

This report brings together approximately 600 economic time series in a form convenient for analysts whether their approach to the study of current business conditions and prospects is the national income model, the leading indicators, anticipations and intentions, or a combination of these. Other types of data such as foreign trade, Federal Government activities, and international series are included to facilitate a more complete analysis.

Data are presented in charts and tables. Appendixes provide historical data, series descriptions, seasonal adjustment factors, and measures of variability. A computer tape containing data for most of the series is available for purchase.

**DEFENSE INDICATORS** A monthly report for analyzing the current and prospective impact of defense activity on the national economy.

This report brings together the principal time series on defense activities which influence short-term changes in the national economy. These include series on obligations, contracts, orders, shipments, inventories, expenditures, employment, and earnings. The approximately 60 time series included are grouped in accordance with the time at which the activities they measure occur in the defense order-production-delivery process. Charts and analytical tables facilitate interpretation.

**LONG TERM ECONOMIC GROWTH** A report for the study of economic trends over a long span of years, 1860–1970.

This report has been developed from available statistics to provide a comprehensive, long-range view of the U.S. economy. It is a basic research document for economists, historians, investors, teachers, and students. It brings together under one cover, in meaningful and convenient form, the complete statistical basis for a study of long-term economic trends. A computer tape file of the time series included in the report is available for purchase.

**COMPUTER PROGRAMS FOR TIME SERIES ANALYSIS** The source statements for FORTRAN IV programs used by SESA in its analysis of time series are available on a single computer tape.

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DIFFUSION INDEX PROGRAM.—A computer program for computing diffusion indexes, cumulated diffusion indexes, and summary measures of the properties of each index.

SURVEY OF CURRENT BUSINESS A monthly report for analyzing current economic developments,

This report provides a useful combination of current data for more than 2,500 statistical series and significant articles analyzing economic developments. These data and analyses include such areas as the national income and product accounts, the balance of payments accounts, plant and equipment expenditures, regional personal income, and the input-output accounts.

**BUSINESS STATISTICS** A biennial reference volume containing statistical series reported currently in the Survey of Current Business.

This report provides historical data back to 1947 for nearly 2,500 time series. The series are accompanied by concise descriptions as to their composition, methods of compilation, comparability, revisions, and availability. Also listed are the names and addresses of organizations which provide the basic data for the series.

#### Introduction

The purpose of this monthly report is to bring together the principal time series on defense activity which influence short-term changes in the national economy. These include series on obligations, contracts, orders, shipments, inventories, expenditures, employment, and earnings. Most are monthly but a few quarterly series are included. The series numbers used are for identification purposes only and do not reflect relationships or order.

#### Classification of Series

Chart 1 compares Government purchases of goods and services for national defense with total gross national product. GNP is the market value of the final output of goods and services produced by the Nation's economy and represents a very broad measure of aggregate economic activity. In addition to national defense purchases, it includes Federal Government purchases of goods and services for nondefense purposes, State and local government purchases, personal consumption expenditures, gross private domestic investment, and net exports of goods and services. Chart 1 also presents national defense purchases as a percent of gross national product and, for both series, changes from the previous quarter.

A related group of series is shown in Chart 4, "Defense-Related Balance of Payments Components." These series show the effects of defense-related economic activity on the balance of payments accounts.

The remaining series are grouped in accordance with the time at which the activities they measure occur within the defense order-production-delivery process. Those series measuring activities that usually precede production, such as new orders placed with defense products industries and contract awards, are presented in Chart 2, "Advance Indicators of Defense Activity." Chart 3, "Intermediate and Final Indicators of Defense Activity," presents series that measure activities which tend to move at the same time as production (such as employment) and activities which usually follow production (such as shipments).

#### Series Included

Following is a list of the series as they appear in charts 1, 2, 3, and 4 (the source agencies are abbreviated in parentheses; detailed lists of sources for charts 1, 2, and 3 appeared as appendixes to the August and October 1968 issues of this report).

Gross National Product and National Defense Purchases

Gross national product (BEA)

Federal Government purchases of goods and services, national defense (BEA)

National defense purchases as a percent of gross national product (BEA)

Gross national product, changes from previous quarter (BEA) National defense purchases, changes from previous quarter (BEA)

#### Advance Indicators of Defense Activity

Defense Department gross obligations incurred, total (DOD) Defense Department gross obligations incurred, procurement (DOD)

Gross obligations incurred outside the Government for national defense (Treasury)

Defense Department military prime contract awards for work performed in the United States (DOD)

Defense Department gross unpaid obligations outstanding (DOD)

Manufacturers' new orders (Census):

Defense products industries

Defense products

Manufacturers' new orders from the U.S. Government, aerospace industries (Census):

Average weekly overtime hours, production workers, defense products industries (BLS)

Accessions, defense products industries (BLS) Layoffs, defense products industries (BLS)

Intermediate and Final Indicators of Defense Activity

Manufacturers' inventories (Census):

Defense products industries

Defense products

Manufacturers' unfilled orders (Census):

Defense products industries

Defense products

Manufacturers' unfilled orders from the U.S. Government, aerospace industries (Census)

Defense Department progress payments outstanding (DOD) Employment in defense products industries, total (BLS)

Employment in defense products industries, production workers (BLS)

Index of aggregate weekly man-hours, defense products industries (BLS)

Index of aggregate weekly payrolls, production workers, defense products industries (BLS)

Defense Department manpower, military (DOD)

Defense Department manpower, civilian (DOD)

Defense Department net outlays, total, military functions and military assistance (DOD)

Defense Department net outlays, procurement (DOD)

Budget outlays for the national defense function (Treasury)
Defense Department personnel compensation (DOD)

Manufacturers' shipments (Census):

Defense products industries

Defense products

Manufacturers' shipments to the U.S. Government, aerospace industries (Census):

Ratio, manufacturers' unfilled orders to shipments (Census):

Defense products industries Defense products

Ratio, manufacturers' inventories to shipments (Census):

Defense products industries

Defense products

Defense-Related Balance of Payments Components

Transfers under U.S. military agency sales contracts—exports

Direct defense expenditures-imports (BEA)

U.S. Government cash receipts associated with military sales contracts (BEA)

Some additional data are included in the tables though not presented in the charts. These include Defense Department military prime contract awards by procurement category (e.g., for aircraft, missiles and space systems, ships, weapons, and ammunitions), the operations component of Defense Department

gross obligations incurred, gross unpaid obligations outstanding, and net outlays and the procurement component of gross unpaid obligations outstanding.

#### Description of Basic Data

The Department of Defense compiles statistics on obligations, contract awards, personnel compensation, and outlays. The DOD obligations and outlays data are based on the Defense Department's monthly *Status of Funds* report which is developed from accounting data and is designed to provide information on the total status of Defense Department financing. Accounts included in this report are aggregated by appropriation categories including personnel costs, operations and maintenance, procurement, research and development, and construction. The *Status of Funds* report duplicates some obligations. That is, obligations of one government unit to another unit are not netted out.

The Defense Department's Contract Awards report covers the awarding of procurement contracts. These include obligations for operating and maintenance supplies, equipment and services, research and development, and construction in addition to the obligations for items that constitute the fiscal "procurement" category. The statistics are aggregated by commodity categories including aircraft, missile and space systems, ships, weapons, ammunition, electronics and communication equipment, fuels, and textiles and clothing. The Contract Awards report includes procurement for NASA, other nondefense agencies, and the Foreign Military Sales Program which are not included in the Status of Funds report.

The Census quarterly new orders, unfilled orders and shipments series for "aerospace industries" are based on reports of companies classified into the following industry categories:

Industry	SIC Code
Aircraft and parts	372
Guided missiles and space vehicles, completely assembled	1925

The Census and BLS data for "defense products industries" presented in this report cover companies and establishments¹ classified into the following industry categories in accordance with the Standard Industrial Classification Manual, 1967 edition, Executive Office of the President, Bureau of the Budget:

Industry	SIC Code
Ordnance and accessories	19
Communication equipment	366
Aircraft and parts	372

Establishments reporting to the BLS are classified into industries on the basis of their principal product or activity as determined from information on annual sales volume, which is collected each year on a supplement to the monthly report. The entire employment of an establishment making more than one product or engaging in more than one activity is included under the industry accounting for the largest percentage of the annual sales of that establishment.

The Census Bureau's monthly survey is based primarily on reports at the company level and the monthly estimates are benchmarked to the establishment data from the *Annual Survey* 

of Manufactures. Also, many of the large diversified companies file separate divisional reports monthly. Although the reports in the survey are also classified according to their principal product or activity, this difference in the organizational level from which reports are received results in firms being classified into different industries in the BLS and Census surveys and, consequently, limits somewhat the comparability of the data collected by these agencies. However, as we know from past studies in this area, some differences in industrial classification between BLS and Census data would remain even if reports came from the same organizational levels.

Both the Census and the BLS data include a significant amount of nondefense activities carried on by companies and establishments classified in the above industries. For example, the data cover the production of commercial as well as military aircraft. On the other hand, they exclude significant amounts of defense work carried on by companies and establishments classified in industries other than those listed above (e.g., the manufacture of military uniforms and the shipbuilding industry).

Census data for "defense products" are based on separate reports on defense work filed by large defense contractors in the ordnance, communications, complete aircraft, aircraft parts, and shipbuilding industries. Thus, they differ from the "defense products industries" data in that they include defense activity in the shipbuilding industry and exclude nondefense work in the other industries covered. Defense products data cover work for the Department of Defense and exclude contracts for the National Aeronautics and Space Administration and the Atomic Energy Commission.

The DOD data are not strictly comparable in coverage with either the BLS or the Census data since the Defense Department figures (1) cover products of industries not included in the defense products category; (2) generally do not include non-defense activities (except that some series, such as contract awards, include activities by the Department of Defense on behalf of nondefense agencies); and (3) do not cover intermediate activities such as those related to subcontracting and supplying of parts. Thus, the Census Bureau data for manufacturers' new orders and shipments of defense products industries, for example, differ in coverage from the DOD contract awards and net outlays series.

The Department of Defense data are not comparable with Federal Government purchases of goods and services for national defense or the Treasury Department obligations and outlays data since the BEA and Treasury data cover defense-related activities of other agencies such as the Atomic Energy Commission, the Selective Service System, and the Office of Emergency Planning.

Projects to improve the comparability of the data collected by the Bureau of the Census, the Bureau of Labor Statistics, and the Department of Defense and to improve the separation of defense and nondefense activity for the Census and BLS data are being undertaken by the statistical agencies under the leadership of the Interagency Committee mentioned earlier in this report.

<sup>&</sup>lt;sup>1</sup> An establishment is a single physical location where business is conducted (e.g., a plant). A company often includes more than one establishment.

<sup>&</sup>lt;sup>2</sup>See the Bureau of the Census publication *Shipments of Defense-Oriented Industries*, Current Industrial Reports, Series MA-175, for annual estimates of shipments by industry to the Department of Defense, the National Aeronautics and Space Administration, and the Atomic Energy Commission. Included also are industries not covered by the "defense products industries" category.

#### Variability of Data

Seasonal variations dominate the movements of many time series, and adjustments for average seasonal fluctuations are often necessary to bring out the underlying trends of the series. These seasonal adjustments allow for the effects of repetitive intrayear variations resulting primarily from normal differences in weather conditions and from various institutional arrangements. An additional adjustment is sometimes necessary for series which contain considerable variation resulting from the number of working or trading days in each month. As used in this report, the term "seasonal adjustment" includes trading-day adjustments where they have been made.

Most of the series in this report are shown in seasonally adjusted form. For Defense Department and BLS series, unadjusted data are also shown since they are not readily available elsewhere. Current seasonal adjustment factors are shown in appendix A.

The effect of seasonal adjustment in reducing the month-to-month variation in the data can be seen in appendix B. There, the first two columns show the average month-to-month percent change (without regard to sign) in the data before and after seasonal adjustment. Some series still show very irregular month-to-month movements after adjustment for seasonal variation. The measures in appendix B also indicate the month-to-month variation in the irregular and short-term trend components of the series. For many series, irregular movements tend to dominate 1- or 2-month comparisons, and the underlying short-term trend becomes dominant in comparisons over longer spans. The "months for cyclical dominance" (MCD) measure estimates the span of months required for the short-term trend to dominate the irregular component. Series with an MCD of 4 or more are supplemented with a moving average (with the

number of terms equal to MCD) in the charts. Data for these moving averages are listed in the basic data tables.

#### **Guide to Charts and Tables**

Most series are plotted on a standard ratio scale so that equal percent changes cover the same vertical distance. For these series, an increase of 100 percent covers approximately 1 inch. Arithmetic scales are used for series with zero or negative data, series which could approach zero (e.g., average overtime hours and layoff rate), and series expressed in percent.

In general, monthly data are plotted with a solid line and quarterly data are represented by a solid line with quarterly plot points. Quarterly series are also identified with a "Q" after their titles. For series which include a moving average, a dashed line is used for the actual monthly data and a solid line for the moving average. (The moving average values are centered within the span of months they are computed from.) Exceptions to this scheme may be necessary for special situations. Data apply to the whole period except for series designated "EOM" (end of month) or "EOQ" (end of quarter). The number in the box at the right of each series indicates the latest month (Arabic) or quarter (Roman) plotted. Parallel lines across a series indicate a break in continuity (e.g., data not available or change in series definition).

Tables 1, 2, 3, and 4 present current data for the series shown in the charts, including the moving averages. They also include unadjusted data for some series and data for related series which are not plotted. Table A summarizes the most recent data and percent changes for many of the series in the report. Historical data are shown on an intermittent basis in appendix C. (The index indicates the appropriate issue for each series.)

The March issue of <u>DEFENSE INDICATORS</u> is scheduled for release on March 28.

#### Table A. Summary of Recent Data and Current Percent Changes for Principal Defense Indicators

(Preliminary and revised figures are not identified here but the user may consult tables 1, 2, 3, and 4 where such identification is given)

					Basic	data					Percent	change		ber
Series title	Unit of	Aver	age							Nov. '74	Dec. '74	2d Q '74	3d Q '74	numbe
Jenes title	measure	1973	1974	2d Q 1974	3d Q 1974	4th Q 1974	Nov. 1974	Dec. 1974	Jan. 1975	to Dec. '74	to Jan. '75	to 3d Q '74	to 4th Q '74	Series
GROSS NATIONAL PRODUCT AND NATIONAL DEFENSE PURCHASES														
00. Gross national product (BEA)	Ann. rate, bil. dol	1204 0	1307 3	1383.8	1416.3	1430 2						2,3	1.0	200
64. Federal Government purchases of goods and		74.4	78.7	76.6	78.4	84.0	•••		•••			2.3	7.1	26
services, national defense (BEA)  113. National defense purchases as a percent of GNP (BEA) <sup>1</sup>	Percent	5.8	5.6	5.5	5.5	5.9					•••	0.0	0.4	61
ADVANCE INDICATORS OF DEFENSE ACTIVITY														1
Defense Dept. gross obligations incurred (DOD):														1
617. Total	Ann. rate, bil. dol	85.5	93.9	91.9	99.1	93.9	96.2 28.2	95.1 17.2	NA		NA	7.8 14.1	-5.2 -4.1	61
621. Procurement	do	18.8	20.6	19.1	21.8	20.9			NA					
Government for national defense (Treasury)	do	89.1	NA	97.8	108.2	NA	NA	NA	NA	NA	NA	10.6	NA	62
awards for work performed in the U.S. (DOD)	Bil. dol., end	35.3	41.4	42.7	44.6	41.9	45.3	30.4	NA	-32.9	NA	4.4	-6.1	62
outstanding (DOD). 648. Mfrs.' new orders, defense products (Census)	of period Ann. rate,	36.8	40.0	38.9	40.5	40.0	40.1	40.0	NA	-0.2	NA	4.1	-1.2	64
650. Manufacturers' new orders from the U.S.	bil. dol	20.5	22.8	21.4	25.1	21.7	28.2	20.0	19.8	-29.1	-1.0	17.3	-13.5	64
Government, aerospace industries (Census)	do	15.9	NA	12.4	21.8	NA		• • •		• • • •		75.8	NA	65
653. Average weekly overtime hours, production workers, defense products industries (BLS) <sup>1</sup>	Hours	3.1	2.8	2.9	2.9	2.6	2.7	2.6	NA	-0.1	NA	0.0	-0.3	65
654. Accessions, defense products industries (BLS) <sup>1</sup> .	Number per 100 employees ;	2.2			2.3	NA	1.5	NA	NA				NA	
655. Layoffs, defense products industries (BLS) <sup>1</sup>	do	0.6	NA	0.7	0.6	NA.	0.7	NA	NA	NA	NA	-0.1	NA	65
INTERMEDIATE AND FINAL INDICATORS OF DEFENSE ACTIVITY														
657. Output of defense and space equipment (FRB)	1967=100 Bil. dol., end	80.4	82.4	81.5	82.8	84.0	83.9	83.9	83.6	0.0	-0.4	1,6	1.4	65
661, Mfrs, 'unfilled orders, defense products (Census)	of period	5.6			6.4	6.5	6.5	6.5	NA NA			3.2	1.6	
664. Manufacturers' unfilled orders from the U.S.	do	20.7					24.5		24.7			7.6	2.5	
Government, aerospace industries (Census)	do	16.4			18.7	NA	•••	•••	•••		•••	10.7	NA	
standing (DOD) (0)	do	7.4			8.5	NA	•••	•••	•••			4.9		1
670. Total	Thousands do	1,144			1,143	1,170	1,172 618	1,162	1,157				2.4	
673. Index of aggregate weekly man-hours, defense products industries (BLS)	1967=100	NA	NA	NA	67.1	68.8	68.8	68.4	NA	-0.6	NA NA			67
675. Index of aggregate weekly payrolls, production workers, defense products industries (BLS)	do	NA	NA	NA	94.3		101.2	101.0	N/			NA		
Defense Department manpower (DOD): (a) 677. Military	Thousands, end					102.0	10111			1	1	1	1	ľ
	of period	2,202					2,154		2,199					
678. Civilian	do	1,026	1,043	1,070	1,049	1,043	1,046	1,043	1,038	-0.3	-0.5	-2.0	-0.6	67
<ol> <li>Total, military functions and military assistance.</li> </ol>	Ann. rate, bil. dol	76.3	83.6				91.8		82.0					
682. Procurement	do	15.7					18.0		17.0	4.4	-9.6			68
(Treasury)	do	78.0					94.9 34.8		N/					
688. Mfrs.' shipments, defense products (Census) 689. Manufacturers' shipments to the U.S. Government,	do	18.8					18.4	19.0	19.					
aerospace industries (Census)	do	14.4	NA.	15.2	15.4	NA		•••				1,3	NA NA	68
defense products (Census)	Ratio	12.7	14.5	13,8	15.4	15.3	16.0	15.5	15.	3 -3,	1 -1.3	11.6	-0.6	6
defense products (Census)	,,,,,do	3,5	3.9	3.8	4.2	4.1	4.2	4.1	N,	-2.	4 NA	10.5	-2.4	6
DEFENSE-RELATED BALANCE OF PAYMENTS COMPONENTS														
546. Transfers under U.S. military agency sales	Ann. rate,									1				
contracts—exports (BEA) <sup>1</sup> .  547. Direct defense expenditures—imports (BEA) <sup>1</sup>	mil. dol do							• • • •		: ::		584 -248		
696. U.S. Government cash receipts associated with	1			1		1,41			1			70	140	1

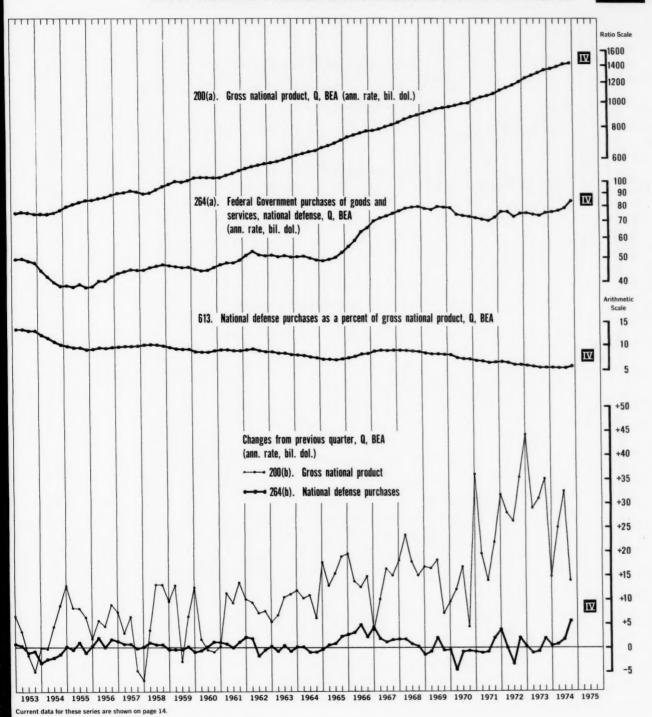
NOTE: This table is presented as a convenient summary of the current data for many of the indicators in this report. In many cases, data shown here are rounded to fewer digits or are in different units than those shown in tables 1, 2, 3, and 4. Where available, annual figures are those published by the source agencies, otherwise they (and the quarterly figures for monthly series) are averages or totals of the data as shown in the data tables. Series are seasonally, adjusted except for those indicated by @, which appear to contain no seasonal movement.

NA = not available.

1Differences rether than percent changes are shown for this series.

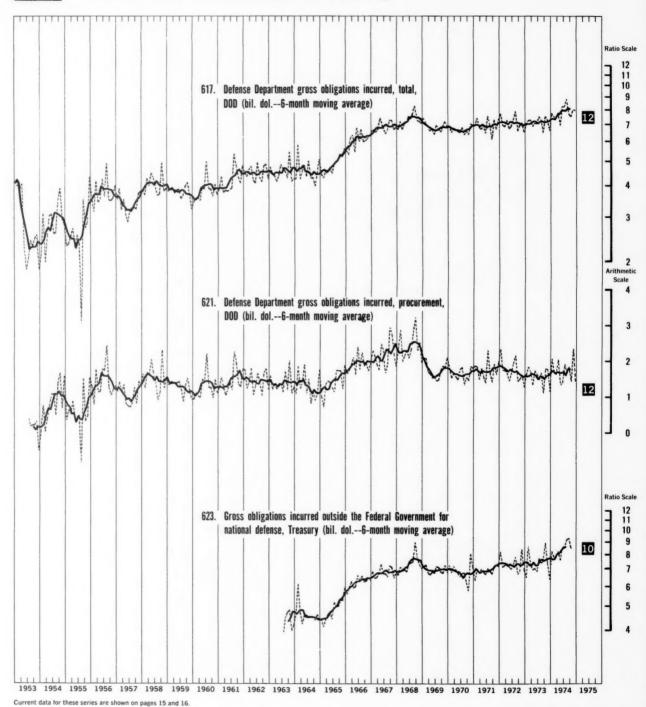
# CHART

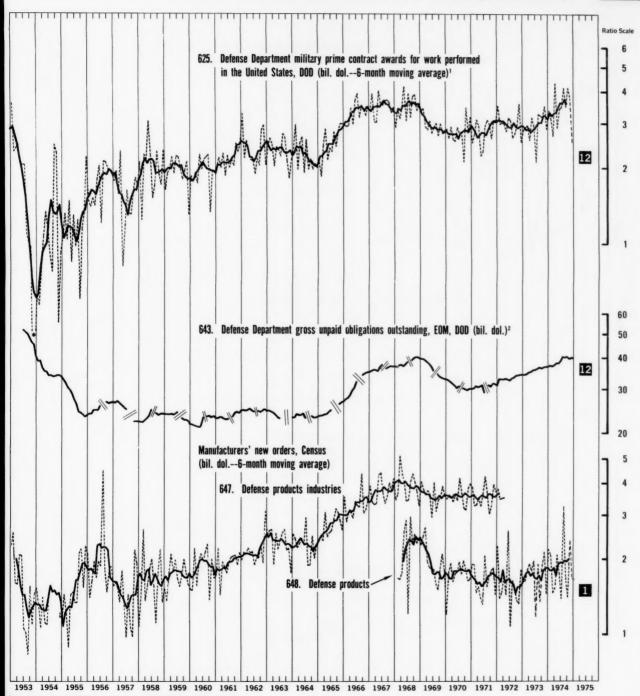
#### **Gross National Product and National Defense Purchases**





# **Advance Indicators of Defense Activity**

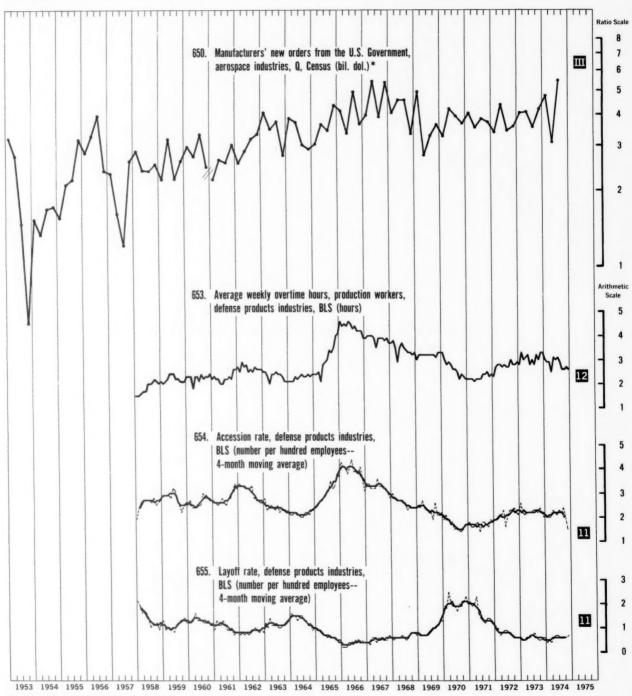




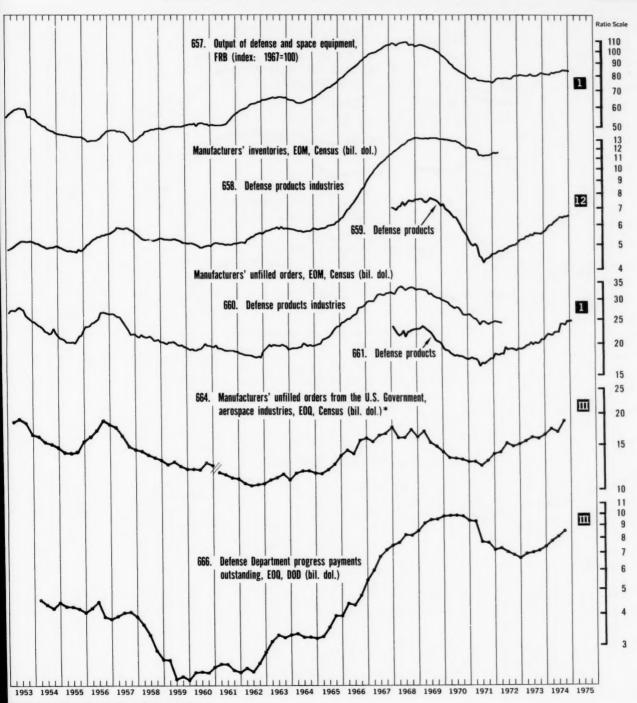
<sup>&</sup>lt;sup>1</sup>Data prior to July 1955 exclude orders written to other Government agencies. <sup>2</sup>Data for the following months not available: July of 1956-71; August of 1956-57 and 1963-66; September of 1957, 1963, and 1965; and October and November of 1963.

<sup>\*</sup>Contract awards for November 1953-\$265 million; December 1953-\$390 million. Current data for these series are shown on pages 16 and 20.



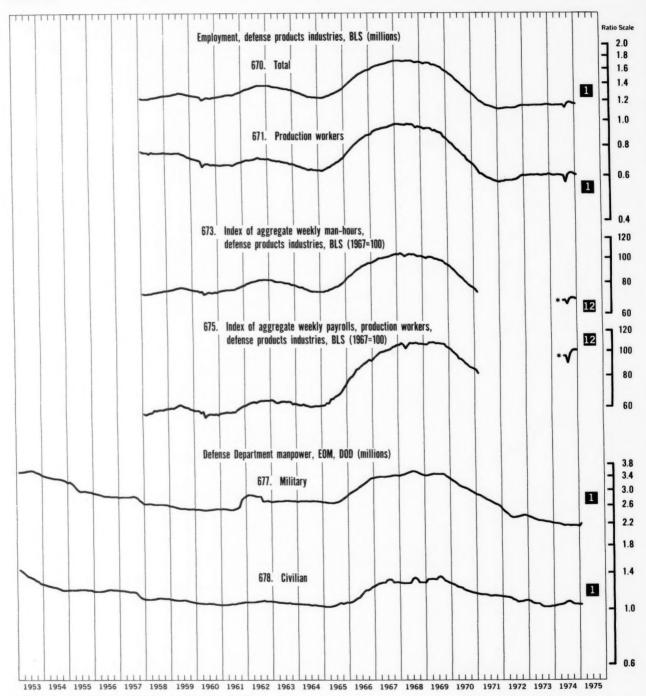


<sup>\*</sup>Data prior to 1961 include orders from non-Government customers. Current data for these series are shown on pages 20 and 21.



\* Data prior to 1961 include orders from non-Government customers. Current data for these series are shown on page 22.

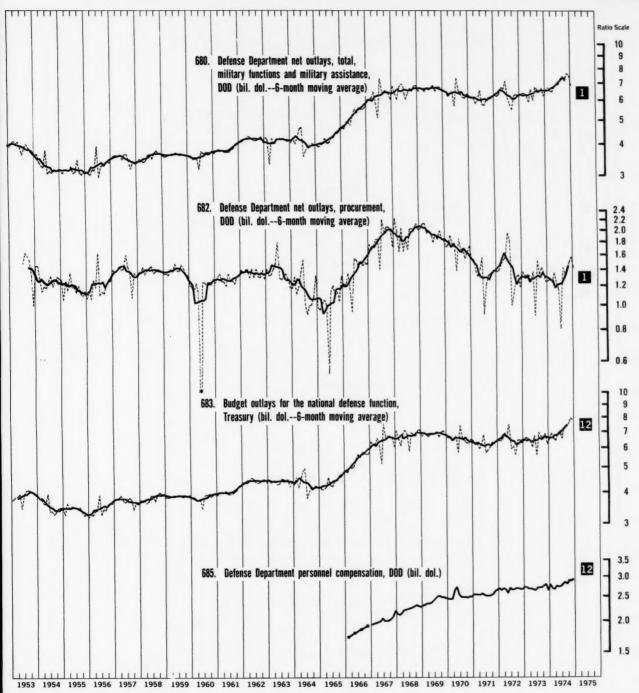




\*Data for the period March 1971 through May 1974 are not available (see page 23).

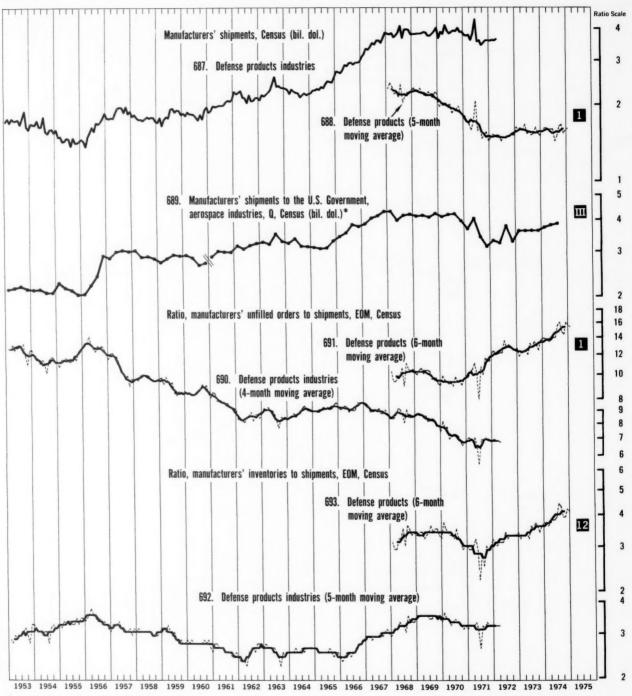
Current data for these series are shown on pages 22, 23, and 24.





<sup>\*</sup> Net expenditures for procurement, June 1960--\$245 million. Current data for these series are shown on pages 24 and 25.

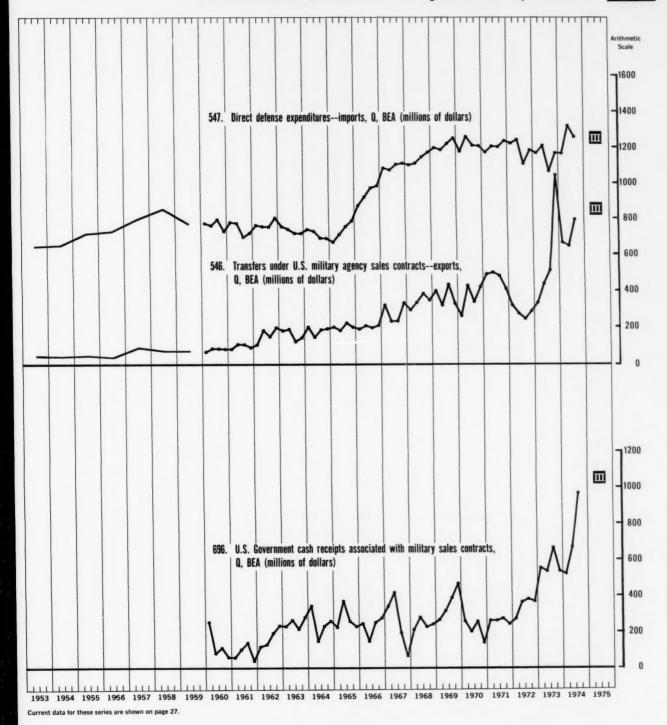




<sup>\*</sup> Data prior to 1961 include shipments to non-Government customers. Current data for these series are shown on page 26.

# CHART

#### **Defense-Related Balance of Payments Components**





# **Gross National Product and National Defense Purchases**

Year and month	200(a). Gross national product, BEA*	264(a). Federal Govern- ment purchases of goods and services, national defense, BEA*	613. National defense purchases as a percent of gross national product, BEA*	200(b). Change in gross national product, BEA*	264(b). Change in Federal Government purchases of goods and services, national defense, BEA*
	(Ann. rate, bil. dol.)	(Ann. rate, bil. dol.)	(Percent)	(Ann. rate, bil. dol.)	(Ann. rate, bil, dol.)
1973					
January				44.2	0.3
February	1,248.9	75.0	6.0	•••	•••
March	•••	•••	•••		•••
April				29.0	-1.0
May	1,277.9	74.0	5.8	•••	•••
June	•••	***	•••	•••	•••
July				31.0	-0.7
August	1,308.9	73.3	5.6	•••	•••
September	***	***	•••	•••	•••
October				35.1	2.0
November	1,344.0	75.3	5.6	•••	•••
December		***			
January		•••		14.8	0.5
February	1,358.8	75.8	5.6	•••	•••
March	***	•••	•••	•••	•••
April				25.0	0.8
May	1,383.8	76.6	5.5	•••	•••
June		***	•••	***	•••
July				32.5	1.8
August	1,416.3	78.4	5.5		•••
September		•••	•••	•••	•••
October	rl,430.2	r84.0	r5.9	r13.9	r5.6
1975					
January February March					
April					
July					
October					

Note: All data on this page are seasonally adjusted. NA=not available; p=preliminary; r=revised; e=estimated. \*Indicates series shown in charts. (See page 5.)



# **Advance Indicators of Defense Activity**

			Defen	se Department gross	obligations incurred	DOD			
Year and month		617. Total		619. 0	perations	621. Procurement			
	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*	
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	
1973									
January February March	7,414 6,691 6,716	6,990 7,260 7,313	7,023 7,011 7,009	4,688 4,097 4,174	4,494 4,656 4,427	1,815 1,785 1,435	1,631 1,838 1,704	1,595 1,569 1,588	
April	6,342 5,997 9,327	6,873 7,086 7,054	7,096 7,183 7,190	4,522 4,195 5,122	4,445 4,393 4,471	1,028 1,171 2,871	1,349 1,730 1,633	1,648 1,623 1,596	
July	8,180 7,505 6,289	7,510 7,304 6,486	7,052 7,162 7,197	5,334 4,634 4,201	4,679 4,552 4,429	1,019 1,393 1,168	1,483 1,676 1,099	1,495 1,568 1,575	
October November December	8,074 6,917 6,041	7,533 7,293 6,597	7,120 7,160 7,172	5,024 4,346 4,133	4,716 4,652 4,643	2,105 1,714 1,321	1,788 1,771 1,149	1,494 1,593 1,599	
January February March	8,113 6,826 6,613	7,750 7,375 7,458	7,334 7,377 7,320	4,991 4,187 4,377	4,714 4,758 4,699	2,337 1,677 1,381	2,077 1,708 1,642	1,689 1,731 1,658	
April	7,375 6,104 10,110	7,787 6,952 8,240	7,594 7,674 7,914	4,982 4,434 6,170	4,804 4,662 5,466	1,546 894 2,465	2,040 1,330 1,412	1,700 1,670 1,670	
July	9,285 8,874 7,790	8,235 8,814 7,715	7,957 7,915 8,092	5,901 5,224 4,771	5,110 5,203 5,040	1,332 1,416 1,919	1,919 1,692 1,842	1,700 1,60° 1,77°	
October	7,965 7,600 7,260	7,536 8,013 7,928	8,040 (NA)	5,394 4,471 4,826	4,999 4,786 5,422	1,709 2,281 1,646	1,446 2,349 1,431	1,780 (NA)	
1975 January	(NA)	(NA)		(NA)	(NA)	(NA)	(NA)		
April									
July									
October November December									

NA=not available; p=preliminary; r=revised; e=estimated. \*Indicates series shown in charts. (See page 6.)



	623. Gross obligation outside the Feder		Defense Department military prime contract awards for work performed in the United States, DOD									
Year and month	ment for national Treasury	defense,		625. Total		626.	Aircraft	627. Missile syste				
	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted			
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)			
1973												
January	6,496 8,706 7,421	7,490 7,501 7,281	2,578 2,418 2,841	2,824 2,899 2,947	2,956 2,893 2,824	728 328 721	1,942	377 297 504	1,300			
April	6,986 7,098 p6,877	p7,264 p7,477 p7,266	1,854 2,489 5,122	2,568 3,171 2,897	2,884 2,765 2,828	122 866 1,243	1,948	233 129 349	96'			
July	7,773 7,441 7,588	p7,294 p7,619 p7,672	2,357 3,224 3,309	2,106 3,276 3,222	2,873 2,975 3,032	396 611 867	1,804	207 921 435	1,200			
October	8,935 7,417 6,396	7,592 7,674 7,746	3,198 2,967 2,944	3,176 3,515 2,850	3,024 3,236 3,214	939 686 316	2,150	368 283 563	1,13			
1974 January February March	8,264 7,874 7,819	7,784 7,673 7,712	3,084 2,613 2,602	3,378 3,141 2,677	3,123 3,317 3,212	1,093 598 517	2,424	206 305 255	84			
April	8,270 7,647 p8,534	p8,068 p8,112 p8,333	3,127	4,343 2,881 3,440	3,310 3,329 3,498	459 308 502	1,104	303 297 323	1,27			
July	8,526 9,202	p8,584 p8,623 (NA)		3,494 4,153 3,502	3,636 3,605 3,754	591	2,446	618 430 848	1,44			
October	(NA)		4,165 3,207 2,616	4,161 3,777 2,532	3,603 (NA)	1,156 856 569	2,858	410 434 361	1,12			
1975 January February March	1		(NA)	(NA)		(NA)		(NA)				
April												
July												
October												

NA=not available; p=preliminary; r=revised; e=estimated. \*Indicates series shown in charts. (See pages 6 and 7.)



			Defense Department mi in the l	litary prime contract av United States, DOD—Co		ed		
Year	628. Ships, not seasonally adjusted	629. Weapons	and ammunition		and communications	631. Combat vehicles		
and month		Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	
1973								
January	84 378 85	207 226 195	658	214 215 420	939	14 11 11	60	
April	82 78 139	150 184 566	725	237 351 654	959	12 15 54	65	
July	337 220 203	21 81 114	436	131 354 313	990	50 24 27	80	
October	161 465 588	105 106 192	310	248 392 261	900	116 21 56	21/	
January February March	52 212 103	135 244 142	541	311 415 206	1,013	102 5 40	253	
April	190 155 1 <b>,</b> 175	170 123 554	680	403 270 732	1,110	129 98 404	502	
July	230 625 134	37 72 111	453	321 402 352	1,316	59 104 151	245	
October	210 328 109	122 114 165	309	598 349 254	1,200	25 22 81	143	
1975  January  February  March	(NA)	(NA)		(NA)		(NA)		
April								
July								
October  November  December								

NA=not available; p=preliminary; r=revised; e=estimated.



			Defense Depart	tment military prime in the United State		work performed			
	632. Other	hard goods	633. Si	oft goods	634. Co	nstruction	635. Services		
Year and month	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	
1973									
January February March	140 141 130	458	141 112 102	519	103 205 131	484	154 140 152	755	
April	145 128 393	480	113 97 158	488	153 151 493	442	195 137 446	776	
July	65 117 106	432	489 177 186	553	34 111 101	377	341 265 252	653	
October November December	133 142 108	365	154 235 228	600	147 54 86	450	388 161 178	663	
January February March	128 111 179	467	297 145 487	1,374	90 52 92	258	204 138 181	900	
April	139	564	344 214 256	1,081	248 58 604	504	166 168 524	846	
July	158	677	338 819 219	890	131 148 112	601	451 303 233	762	
October November December	108 127	352	267 226 222	695	138 126 104	577	446 185 181	740	
January February March			(NA)		(NA)		(NA)		
April									
July									
October	. 1								

NA=not available; p=preliminary; r=revised; e=estimated.



		Defense Department mil in the I	itary prime contract aw United States, DOD-Co		d	640, Defense Dep	partment military	
Year	636. Contracts	s under \$10,000		al and nonprofit	638. Civilian Health and Medical Program of the Uniformed	work outside the United States, DOD		
and month	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Services (CHAMPUS), not seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	
1973								
January February	341 320 334	1,003	41 45 43	152	34 0 13	156 151 125	527	
April	356 319 551	977	46 35 76	168	10 -1 0	213 83 264	645	
July	225 210 390	997	61 123 86	259	0 10 229	368 244 159	497	
October	319 335 326	1,059	85 87 29	169	35 0 13	194 240 186	833	
1974  January  February  March	327 333 329	996	76 55 58	224	63 0 13	160 114 198	594	
April	382	1,066	37 38 70	156	0 0 20	80 94 333	559	
July	321	1,116	162 118 51	316	100 0 0	421 448 120	632	
October	374	1,206	46 59 92	166	240 7 0	190 93 111	530	
1975 January			(NA)		(NA)	(NA)		
April								
July								
October								

NA=not available; p=preliminary; r=revised; e=estimated.



		Defense Depar	rtment gross unpaid	d obligations outst	anding, DOD		648. Manuf		650. Manufac- turers' new orders from the
	643.	Total	644. Op	erations	645. Pro	ocurement	products,		U.S. Govern- ment, aerospace
Year and month	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*	industries, Census, seasonally adjusted*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1973									
January February March	35,171 35,287 34,766	34,280 34,426 34,976	5,741 5,589 5,273	5,381 5,523 5,586	22,326 22,721 22,469	21,718 21,953 22,291	1,618 1,633 1,804	1,589 1,680 1,758	4,060
April	34,297 33,409 34,621	35,140 35,693 35,877	5,424 5,227 5,301	5,807 5,886 6,044	22,044 21,753 22,806	22,244 22,565 22,558	1,900 1,789 1,956	1,783 1,709 1,754	4,095
July	e35,500 37,069 36,829	e36,188 36,666 36,285	e6,200 6,754 6,719	e6,385 6,420 6,454	e22,100 22,432 22,195	e22,620 22,960 22,556	1,175 1,898 1,338	1,676 1,664 1,720	3,568
October	38,039 37,680 37,244	36,682 36,869 36,839	7,519 7,193 7,064	6,660 6,673 6,994	22,679 22,877 22,932	22,656 22,763 22,615	1,827 2,124 1,450	1,635 1,803 1,831	4,199
January	38,249 37,963 37,249	37,280 37,001 37,436	7,425 7,055 6,779	6,959 6,964 7,189	24,032	23,143 23,175 23,634	2,183 2,064 1,462	1,852 1,802 1,794	4,73
April	37,264 35,601	38,141 38,076	7,044	7,550 7,301 8,417	23,778 23,123	23,970 23,987	1,527 2,079 1,752	1,844 1,710 1,904	3,10
July	e39,626 40,594	e40,435 40,152	e8,149 8,426	e8,392 8,010 7,991	e24,316 23,791	24,351	1,377 3,229 1,678	1,940 1,919 1,965	p5,45
October	41,201	40,068	7,906	7,610 7,334 7,578	25,147	25,022	2,351	rl,951 pl,997	(NA
1975 January February	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	pl,654		
April									
July									
October November December									

NA=not available; p=preliminary; r=revised; e=estimated,

\*Indicates series shown in charts. (See pages 7 and 8.)



	hours, product	weekly overtime tion workers, de- s industries, BLS	654. A	ccession rate, defense industries, BLS	e products	655. Layoff rate, defense products industries, BLS			
Year and month	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data—4-month*	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data-4-month*	
	(Hours)	(Hours)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	
1973	(1)	(¹)							
January	2.9 3.1 2.9	2.8 3.3 3.0	2.5 2.0 2.0	2.6 2.2 2.1	2.3 2.2 2.3	0.8 0.7 0.7	0.5 0.5 0.5	0.6 0.5 0.5	
April	2.8 2.9 2.8	3.1 3.2 2.8	2.0 2.2 2.9	2.2 2.2 2.2	2.2 2.2 2.2	0.6 0.5 0.5	0.6 0.7 0.7	0.6 0.6 0.7	
July	2.7 2.8 3.4	3.0 2.8 3.2	2.5 2.6 2.4	2.3 2.3 2.2	2.2 2.2 2.3	0.6 0.5 0.4	0.8 0.6 0.5	0.7 0.6 0.6	
October	3.2 3.6 3.7	3.0 3.3 3.3	2.5 2.0 1.3	2.4 2.2 2.0	2.3 2.2 2.2	0.6 0.7 0.5	0.5 0.6 0.6	0.6 0.6 0.5	
January	2.9 2.8 2.9	3.0 2.9 2.9	2.1 1.8 1.9	2.1 2.0 2.0	2.1 2.0 2.1	0.7 0.7 0.6	0.4 0.5 0.4	0.5 0.5 0.5	
April	2.8	2.5 3.1 3.0	2.1 2.2 2.8	2.3 2.2 2.1	2.1 2.2 2.2	0.6 0.5 0.5	0.6 0.7 0.7	0.6	
July	2.9	3.1 2.9 2.6	2.5 2.6 2.6	2.3 2.2 2.4	2.2 2.2 2.2	0.4 0.5 0.5	0.6 0.6 0.6	0.6	
October	r2.9	2.6 r2.7 p2.6	2.1 1.3 (NA)	2.0 1.5 (NA)	2.0 (NA)	0.7 0.8 (NA)	0.6 0.7 (NA)	0.6 (NA)	
1975  January		(NA)							
July									
October									

NA=not available; p=preliminary; r=revised; e=estimated. \*Indicates series shown in charts. (See page 8.)

Beginning with September 1974, data for this series are not strictly comparable with earlier data. See "New Features and Changes for This Issue," page 3 of the December 1974 issue.



	657. Output of defense and space	659. Manufacturers' inventories, defense	661. Manufacturers' unfilled orders,	664. Manufacturers' unfilled orders	666. Defense Department progress		ment in defense stries, total, BLS
Year and month	equipment, FRB, seasonally adjusted*	products, Census, seasonally adjusted*	defense products, Census, seasonally adjusted*	from the U.S. Gov- ernment, aerospace industries, Census, seasonally adjusted*	payments out- standing, DOD, not seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*
	(Index: 1967=100)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Thous.)	(Thous.)
1973						(1)	(1)
January February March	79.8 80.6 80.1	5,210 5,248 5,266	19,060 19,123 19,343	15,533	6,942	1,145 1,143 1,139	1,141 1,142 1,140
April	80.0 79.7 80.1	5,384 5,384 5,477	19,659 19,780 20,211	16,084	7,026	1,137 1,135 1,142	1,144 1,143 1,145
July	81.1 79.7 79.8	5,434 5,555 5,528	19,824 20,210 20,013	15,904	7,139	1,141 1,142 1,148	1,144 1,146 1,143
October	80.0 80.9 81.9	5,531 5,508 5,615	20,215 20,797 20,740	16,448	7,385	1,150 1,154 1,155	1,147 1,150 1,152
January	81.4 80.9 81.0	5,679 5,837 5,966	21,372 21,827 21,678	17,383	7,781	1,150 1,144 1,142	1,147 1,143 1,144
April	80.6 82.2 81.7	5,978 6,119 6,201	21,622 22,107 22,261	16,858	8,104	1,141 1,138 1,143	1,147 1,146 1,147
July August September	82.6 82.7 83.1	6,303 6,431 6,377	22,208 23,941 23,979	p18,682	8,531	1,144 1,113 1,168	1,148 1,117 1,165
October	84.1 r83.9 83.9	6,463 6,477 6,543	23,715 24,530 r24,612	(NA)	(NA)	1,179 r1,179 1,169	1,177 r1,172 1,162
1975 January	p83.6	(NA)	p24 <b>,</b> 658			pl,161	pl,157
April							
July	1						
October							

NA=not available; p=preliminary; r=revised; e=estimated. \*Indicates series shown in charts (See pages 9 and 10.)

Beginning with September 1974, data for this series are not strictly comparable with earlier data. See "New Features and Changes for This Issue," page 3 of the December 1974 issue.



		fense products industries, workers, BLS	673. Index of aggregate products in	weekly man-hours, defense dustries, BLS	675. Index of aggregate weekly payrolls, production workers, defense products industries, BLS				
Year and month	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted *	Not seasonally adjusted	Seasonally adjusted*			
	(Thous.)	(Thous.)	(1967=100)	(1967=100)	(1967=100)	(1967=100)			
1973	(1)	(1)	(1)	(1)	(1)	(1)			
January	606	602	(s)	(2)	(2)	(s)			
February	606	604	(s)	(2)	(2)	(s)			
March	603	605	(s)	(2)	(2)	(s)			
April	601	606	(s)	(2)	( <sup>2</sup> )	(s)			
	599	605	(s)	(2)	( <sup>2</sup> )	(s)			
	603	606	(s)	(2)	( <sup>2</sup> )	(s)			
July	603	607	(2)	(2)	(2)	(s)			
	601	604	(2)	(2)	(2)	(s)			
	608	603	(2)	(2)	(2)	(s)			
October	610	607	(s)	(2)	(s)	(2)			
	611	606	(s)	(2)	(s)	(2)			
	615	611	(s)	(3)	(s)	(2)			
1974  January	611	608	(s)	(s)	(2)	(2)			
	606	604	(s)	(s)	(3)	(2)			
	603	605	(s)	(s)	(2)	(2)			
April	602	607	(²)	(²)	(²)	(²)			
	599	606	(²)	(²)	(²)	(²)			
	600	604	67.4	67.6	94.6	95.6			
July	596	602	66.9	67.7	92.8	95.6			
	565	567	64.8	65.3	88.1	89.6			
	612	607	68.7	68.4	98.2	97.6			
October November December	623	618	69.3	69.1	101.2	100.7			
	624	r618	r69.6	r68.8	r103.6	rl01.2			
	616	611	p69.6	p68.4	p105.3	pl01.0			
1975  January  February  March	p609	p606	(NA)	(NA)	(NA)	(NA)			
April									
July									
October									

NA=not available; p=preliminary; r=revised; e=estimated. \*Indicates series shown in charts. (See page 10.)

Beginning with September 1974, data for this series are not strictly comparable with earlier data. See "New Features and Changes for This Issue," page 3 of the December 1974 issue.

Data for the ordnance and accessories component of this series (SIC Code 19) are being revised by the source agency for the period March 1971 through May 1974, to correct processing errors. The corrected data for this period are expected to be available shortly. This series will then be recalculated to include all revisions and corrections. In the interim, data will not be shown for the aforementioned period.



	Defense Departmen	t manpower, DOD	Defense Department net outlays, DOD									
	677. Military, not seasonally adjusted*	678. Civilian, not seasonally adjusted*	680. Tota	I, military functions and assistance	681. Operations							
Year and month			Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data-6-month*	Not seasonally adjusted	Seasonally adjusted					
	(Thous.)	(Thous.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	' (Mil. dol.)					
1973												
January February March	2,334 2,314 2,291	1,073 1,057 1,051	6,388 6,054 6,736	6,256 6,377 6,366	6,295 6,288 6,220	4,119 3,988 4,217	4,107 4,162 4,167					
April	2,274 2,256 2,253	1,051 1,051 1,031	6,222 6,213 7,854	6,194 5,896 6,597	6,281 6,235 6,291	4,087 4,033 4,537	3,970 3,946 3,935					
July August September	2,251 2,237 2,232	1,019 1,022 1,019	5,005 6,649 5,967	5,978 6,716 6,598	6,330 6,371 6,503	3,669 4,279 4,027	4,018 4,228 4,316					
October	2,227 2,218 2,202	1,022 1,026 1,026	6,527 6,766 5,953	6,444 6,683 6,228	6,441 6,534 6,535	4,105 4,359 4,066	4,150 4,378 4,220					
January February March	2,199 2,195 2,187	1,034 1,039 1,042	6,728 6,384 6,702	6,538 6,717 6,536	6,524 6,527 6,537	4,376 4,137 4,398	4,33: 4,31: 4,36:					
April	2,174 2,156 2,162	1,046 1,053 1,070	6,685 7,204 7,872	6,458 6,745 6,894	6,648 6,712 6,801	4,367 4,718 4,835	4,22 4,536 4,29					
July	2,162 2,153 2,157	1,074 1,064 1,049	5,979 6,897 6,948	6,921 7,254 7,463	6,956 7,068 7,218	4,628 4,804 4,575	4,91' 4,95' 4,828					
October	2,156 2,154 2,140	1,046 1,046 1,043	7,271 7,473 r7,451	7,130 7,648 r7,549	r7,328 p7,313	4,817 4,912 r4,742	4,853 5,042 r4,843					
1975 January February March	p2 <b>,</b> 199	1,038	p7,032	p6,833		p4,773	p4,72					
April												
July												
October												

NA=not available; p=preliminary; r=revised; e=estimated. \*Indicates series shown in charts. (See pages 10 and 11.)



	Defense Dep	partment net outlays, DC	DD-Continued		ys for the national tion, Treasury	685. Defense Department personnel compensation, DOD			
Year		682, Procurement		Seasonally adjusted*	Moving average of seasonally adjusted	Not seasonally adjusted	Seasonally adjusted*		
and month	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data-6-month*		data-6-month*				
	(Mil. dol.) (Mil. dol.) (Mil. dol.)		(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)		
1973									
January February March	1,355 1,243 1,439	1,367 1,329 1,291	1,301 1,306 1,291	6,483 6,641 6,541	6,493 6,482 6,415	2,811 2,666 2,728	2,723 2,709 2,677		
April	1,287 1,315 1,649	1,330 1,243 1,371	1,322 1,245 1,276	6,409 6,099 6,761	6,489 6,353 6,404	2,675 2,736 2,615	2,675 2,658 2,639		
July	863 1,450 1,239	907 1,513 1,344	1,285 1,300 1,318	5,671 6,945 6,718	6,434 6,455 6,585	2,712 2,735 2,615	2,701 2,713 2,712		
October	1,487 1,268 1,124	1,425 1,349 1,250	1,298 1,357 1,318	6,536 6,877 6,276	6,504 6,650 6,643	2,732 2,765 2,589	2,757 2,793 2,642		
January February March	1,270 1,195 1,313	1,262 1,276 1,241	1,300 1,289 1,268	6,550 6,899 6,588	6,621 6,612 6,613	2,879 2,651 2,700	2,784 2,691 2,669		
April	1,382 1,292 1,346	1,355 1,227 1,165	1,254 1,179 1,204	6,484 6,881 7,075	6,746 6,752 6,815	2,750 2,817 2,710	2,745 2,729 2,743		
July	801 1,348 1,251	810 1,425 1,343	1,221 1,224 1,270	6,583 7,281 7,409	6,952 7,118 7,290	2,835 2,814 2,741	2,796 2,842 2,808		
October	1,455 1,372 1,439	1,377 1,501 1,569	1,338 p1,439	7,482 7,909 7,830	7,416 (NA)	2,869 r2,827 2,874	2,896 r2,896 2,932		
1975  January  February  March	pl,427	pl,418		(NA)		(NA)	(NA)		
April									
July									
October									

NA=not available; p=preliminary; r=revised; e=estimated.

\*Indicates series shown in charts. (See page 11.)



		s' shipments, defense ts, Census	689. Manufacturers' shipments to the		acturers' unfilled orders ense products, Census	693. Ratio, manufacturers' inventories to shipments, defense products, Census			
Year and month	Seasonally adjusted*	Moving average of seasonally adjusted data—5-month*	U.S. Government, aerospace industries, Census, seasonally adjusted*	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*		
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Ratio)	(Ratio)	(Ratio)	(Ratio)		
1973									
January February March	1,628 1,570 1,584	1,561 1,575 1,607	3,599	11.7 12.2 12.2	12.3 12.3 12.2	3.2 3.3 3.3	3.3 3.3 3.3		
April	1,584 1,669 1,527	1,587 1,585 1,571	3,607	12.4 11.9 13.2	12.3 12.4 12.6	3.4 3.2 3.6	3.3 3.4 3.4		
July	1,562 1,511 1,535	1,561 1,552 1,555	3,612	12.7 13.4 13.0	12.8 12.8 13.0	3.5 3.7 3.6	3.5 3.5 3.6		
October	1,625 1,541 1,505	1,543 1,552 1,567	3,611	12.4 13.5 13.8	13.1 13.3 13.4	3.4 3.6 3.7	3.6 3.6 3.6		
January February	1,552 1,610 1,612	1,564 1,573 1,591	3,721	13.8 13.6 13.4	13.4 13.6 13.7	3.7 3.6 3.7	3.6 3.7 3.7		
April	1,586 1,594 1,596	1,600 1,564 1,541	3,802	13.6 13.9 13.9	13.7 14.0 14.4	3.8 3.8 3.9	3.8 3.9 4.0		
July	1,431 1,497 1,638	1,551 1,565 1,553	p3,856	15.5 16.0 14.6	14.6 14.7 15.0	4.4 4.3 3.9	4.0 4.0 4.1		
October	1,663 1,536 rl,585	rl,584 pl,606	(NA)	14.3 16.0 rl5.5	rl5.3 pl5.3	3.9 4.2 4.1	4.1 (NA)		
1975  January	pl,608			p15.3		(NA)			
April									
July									
October	1								

NA=not available; p=preliminary; r=revised; e=estimated.

\*Indicates series shown in charts. (See page 12.)



# **Defense-Related Balance of Payments Components**

		r U.S. military agency (exports), BEA	547. Direct defense expenditures (imports),	696. U.S. Government cash receipts associated with military sales contracts, BEA					
Year and month	Not seasonally adjusted	Seasonally adjusted*	<ul> <li>BEA, not seasonally adjusted*</li> </ul>	Not seasonally adjusted	Seasonally adjusted*				
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)				
1973									
January	326	342	1,175	520	554				
April	509	446	1,209	544	535				
July	466	520	1,067	610	665				
October November December	1,054	1,046	1,169	616	536				
1974  January  February  March	643	673	1,166	488	521				
April	732	655	1,319	678	669				
July		p801	pl,257	p912	p966				
October	(NA)	(NA)	(NA)	(NA)	(NA)				
January February March	1								
April									
July									
October									

NA=not available; p=preliminary; r=revised; e=estimated. \*Indicates series shown in charts. (See page 13.)

#### Appendix A. SEASONAL ADJUSTMENT FACTORS

	Series title						197	4					
	MONTHLY SERIES	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
lefer	nse Department gross obligations incurred:												
20101	617. Total 1	104.7	92.6	88.7	94.7	87.8	122.7	112.8	100.7	101.0	105.7	94.8	91.0
	619. Operations <sup>1</sup>	105.9	88.0	93.2	103.7	95.1	112.9	115.5	100.4	94.7	107.9	93.4	89.0
	621. Procurement	112.5	98.2	84.1	75.8	67.2	174.6	69.4	83.7	104.2	118.2	97.1	115.0
323.	Gross obligations incurred outside the Federal Government												
	for national defense 1	104.9	87.6	92.3	95.7	89.8	113.8	113.8	105.1	92.6	108.1	100.2	96.
25.	Defense Department military prime contract awards for												
	work performed in the United States	91.3	83.2	97.2	72.0	78.1	176.9	112.3	98.5	102.4	100.1	84.9	103.
Defer	nse Department gross unpaid obligations outstanding: <sup>2</sup>												
	643. Total	102.6	102.6	99.5	97.7	93.5	96.4	98.0	101.1	101.4	103.7	102.2	
	644. Operations	106.7	101.3	94.3	93.3	88.7	87.6	97.1	105.2	104.0	113.1	107.8	
	645. Procurement	102.8	103.7	100.9	99.2	96.4	101.0	97.6	97.7	98.3	100.1	100.5	
	Manufacturers' new orders, defense products <sup>3</sup>	94.9	98.1	98.4	87.5	71.2	93.1	178.1	85.4	116.2	104.9	91.8	106
353.	Average weekly overtime hours, production workers, defense												
	products industries <sup>4</sup>	1	1	.0	3	3	.0	3	.0	.3	.2	.2	
354.	Accession rate, defense products industries <sup>4</sup>	.0	2	1	2	.0	.7	.2	.4	.2	.1	2	
355.	Layoff rate, defense products industries4	.3	.2	.2	.0	2	2	2	1	1	.1	.1	
657.	Output of defense and space equipment <sup>3</sup>	100.0	99.9	100.4	99.4	99.9	100.7	98.6	98.9	100.1	100.1	100.9	
	Manufacturers' inventories, defense products <sup>3</sup>	98.6	99.8	101.3	100.6	100.0	99.9	100.2	99.2	99.7	100.6	100.6	
661.	Manufacturers' unfilled orders, defense products <sup>3</sup>	101.0	101.2	101.0	99.8	97.3	96.3	101.0	99.7	100.5	101.0	99.9	99
mpl	loyment in defense products industries:												
	670. Total	100.3	100.1	99.8	99.5	99.3	99.7	99.7	99.6		100.2		
	671. Production workers	100.5	100.2	99.6	99.2	98.8	99.3	99.1	99.6	100.8	100.9	101.0	100
673.	Index of aggregate weekly man-hours, defense products												
	industries	100.3	99.8	100.0	99.3	99.3	99.8	98.9	99.2	100.4	100.3	101.2	101
675.	Index of aggregate weekly payrolls, production workers, defense products industries	100.8	99.8	100.1	98.6	98.8	98.9	97.1	98.4	100.7	100.5	102.4	104
Defe	nse Department net outlays:	700 0	05.0		300 6	70/ 0	27/ 0	ac.	07.3	00.7	700 0	OF F	98.
	680. Total, military functions and military assistance 1		95.0			106.8		86.4	95.1	93.1	102.0	97.7	
	681. Operations <sup>1</sup>		95.9		103.5	104.0		94.1	96.9		99.3	97.4	
000	682. Procurement <sup>1</sup>	100.6	93.7			105.3		98.9			105.7	91.4	
683.	Budget outlays for the national defense function 1	103.7	94.3	101.5		105.3	114.0					97.0	
688.	Defense Department personnel compensation 1	103.4	98.5	101.2	100.2	103.2		101.4	99.0	97.6 103.4	99.1		
	QUARTERLY SERIES		10			IIQ			IIIQ			IVQ	_
	25/11/21/21/21/21	-											
200.	Gross national product <sup>3</sup>		96.1			100.9			98.4			104.5	
	Fed. Govt. purchases of goods and services, national defense <sup>3</sup>		99.2			104.9			95.0			100.9	
546.	Transfers under U.S. military agency sales contracts-exports <sup>5</sup>		-16			63			-54			8	
Defe	ense Department military prime contract awards:		00.5										
	626. Aircraft		91.1			114.9			104.1			90.3	
	627. Missile and space systems		90.8			72.6			130.9			106.7	
	629. Weapons and ammunition		96.3			124.5			48.6			129.9	
	630. Electronic and communications equipment		92.0			126.6		1	81.7			100.1	
	631. Combat vehicles		58.1			125.8			126.2			90.3	
	632. Other hard goods		89.6			139.1			66.5			105.0	
	633. Soft goods		67.6			75.3			154.6			102.9	
	634. Construction		90.6			180.7			65.1			63.8	
	635. Services		58.1			101.4			129.6			109.7	
	636. Under \$10,000		99.3			125.3			83.0			92.5	
	637. Educational and nonprofit institutions		79.5			93.1			104.7			118.6 74.4	
٨٠٠													
Aer	ospace industries:	1	87.1			00.0			100			00.0	
	650. Manufacturers' new orders from the U.S. Government 664. Manufacturers' unfilled orders from the U.S. Government	-	99.7			90.2		1	123.4			99.3	
	689. Manufacturers' shipments to the U.S. Government	1				96.3			102.5			101.5	
gae			93.8			102.5			98.9			105.0	
	<ul> <li>U.S. Govt. cash receipts associated with military sales contracts<sup>5</sup></li> </ul>	-1	-34		1	C	3	1	-55	)		80	

NOTE: The seasonal adjustment factors presented in this table were computed using the techniques described in the Bureau of the Census Technical Paper No. 15, The X-11 Variant of the Census Method II Seasonal Adjustment Program.

Monthly data for Defense Department military prime contract awards by commodity category (series 626 to 640) have not been adjusted for seasonal variation. The series on direct defense expenditures—imports (series 547), Defense Department progress payments outstanding (series 666), and Defense Department manpower (series 677 and 678) contain no measurable seasonal variation.

<sup>1</sup> Factors are products of seasonal and trading-day factors.

of months but these gaps were filled with averages of preceding and following months for purposes of estimating seasonal variation.

<sup>3</sup>These series have been adjusted by the source agencies. The factors shown here are implicit seasonal factors for the calendar year 1973 and are derived by dividing the seasonally unadjusted data by the seasonally adjusted data.

<sup>4</sup>These series have been seasonally adjusted using the additive version of the seasonal adjustment program. Seasonally adjusted data are derived by subtracting the adjustment factor from the unadjusted data. Seasonally adjusted data for other series are derived by dividing the seasonal factors into the unadjusted data.

<sup>5</sup>This series is the total of component series which have been adjusted separately by the source agency. The factors shown here are implicit seasonal factors for the calendar year 1973 and are derived by subtracting the seasonally adjusted data from the seasonally unadjusted data.

<sup>&</sup>lt;sup>2</sup>Prior to 1972, data for gross unpaid obligations outstanding are not available for a number

#### Appendix B. AVERAGE CHANGES AND RELATED MEASURES OF VARIABILITY

Part 1. Monthly Series

Series title	Period covered	ō	cī	ī	c	ī/c̄	MCD	Average duration of run (ADR)	
	covered							CI	MCD
Defense Department gross obligations incurred:									
617. Total	Jan. '57-Jan. '74	18.68	7.38	7.29	0.75	9.72	6	1.53	2.3
619. Operations	July '59-Jan. '74	8.33	2.61	2.50	.64	3.88	4	1.72	3.0
621. Procurement	Jan. '57-Jan. '74	45.13	22.23	22.10	1.68	13.19	6	1.49	2.
23. Gross obligations incurred outside the Federal Government for national									
defense	July '63-Jan. '74	(NA)	6.94	6.82	.74	9.21	6	1.52	2.
25. Defense Department military prime contract awards for work performed	les (57 les (74	20.38	3 5 000	1101	2 00	77 00		7 20	
in the United States, total	Jan. '57-Jan. '74	33.17	15.07	14.94	1.32	11.33	' 6	1.39	2.
efense Department gross unpaid obligations outstanding:	lan /57 lan /74	0.00	2 20	00	07	00	2	0.50	_
643. Total	Jan. '57-Jan. '74 Jan. '67-Jan. '74	2.08	1.36	.90	.91	.99	1 3	2.58	2.
645. Procurement	Jan. '67-Jan. '74	5.47	2.48	2.16	1.06	2.03	2	2.00	4.
anufacturers' new orders:	Jan. 07-Jan. 74	2.49	1.01	.99	.99	1.00	2	2.10	4,
647. Defense products industries	Jan. '57-Mar. '72	(NA)	15.11	14.89	.97	15.32	6	1.58	2.
648. Defense products	Feb. '68-Jan. '74	25.69	19.12	19.01	1.59	11.94	6	1.45	2.
53. Average weekly overtime hours, production workers, defense products	1 co. 00 dan. 74	22.02	17.12	19.01	1.77	11.74	0	1.47	-
industries (hours)	Jan. '58-Jan. '74	.22	.13	.13	.05	2.84	3	2.13	4
54. Accession rate, defense products industries (per 100 employees)	Jan. '58-Jan. '74		.16	.15	.05	3.12	4	2.26	3
55. Layoff rate, defense products industries (per 100 employees)	Jan. '58-Jan. '74		.13	.13	.04	3.07	4	2.02	4
7. Output of defense and space equipment	Jan. '54-Jan. '74		.98	.48	.79	.60	1	4.07	4
anufacturers' inventories:		(/			***		_		
658. Defense products industries	Jan. '57-Mar. '72	(NA)	1.04	.52	.85	.62	1	2.80	2
659. Defense products	Jan. '68-Jan. '74		1.74	1.16	1.27	.92	1	3.00	3
anufacturers' unfilled orders:									
660. Defense products industries	Jan. '57-Mar. '72 .	(NA)	1.23	.90	.83	1.09	2	2.76	3
661. Defense products	Jan. '68-Jan. '74 .	1.93	1.64	1.11	.99	1.11	2	2.77	3
mployment in defense products industries:									
670. Total	Jan. '58-Jan. '74 .		.68	.25	.60	.42	1	4.68	4
671. Production workers	Jan. '58-Jan. '74 .		.86		.69	.63	1	3.62	3
73. Index of aggregate weekly man-hours, defense products industries	Jan. '58-Jan. '74 .	.92	.75	.35	.62	.56	1	4.09	4
75. Index of aggregate weekly payrolls, production workers, defense products	I (50 I (74	7 (2	3 05		do.	200	1	2.05	1
industries	Jan. '58-Jan. '74 .	1.61	1.07	.65	.81	.80	1	3.05	3
Defense Department manpower: 677. Military (1)	Jan. '57-Jan. '74 .		(NIA )	000	50	1 ,,	1	1 05	4
678. Civilian (a).	Jan. '57-Jan. '74 . Jan. '57-Jan. '74 .		(NA)	.26	.59	.44		4.25	4
Defense Department net outlays:	Jan. 37-Jan. 74 .		(IVA)		.43	.19	1	4.20	-
680. Total, military functions and military assistance	Jan. '57-Jan. '74 .	9.06	3.97	3.87	.75	5.18	6	1.71	1 3
681. Operations			3.52		.70				2
682. Procurement					1.55	7.38	1		2
83. Budget outlays for the national defense function			4.09		.69	5.82			
85. Defense Department personnel compensation				100000	.53	2.29		2.55	
lanufacturers' shipments:			1			2002	1		
687. Defense products industries	Jan. '57-Mar. '72 .	. (NA)	2.67	2.49	.87	2.85	3	1.64	1 3
688. Defense products					.95				2
Ratio, manufacturers' unfilled orders to shipments:		1	1		1				
690. Defense products industries	Jan. '57-Mar. '72 .	. (NA)	2.95	2.71	.96	2.82	4	1.90	3
691. Defense products	Jan. '68-Jan. '74 .	. 8.23	5.09		.93		6	1.60	3
Ratio, manufacturers' inventories to shipments:									
692. Defense products industries		(comm)			.72				
693. Defense products	Jan. '68-Jan. '74 .	. 8.05	5.37	5.44	.75	7.20	6	1.76	1 3

NA = not available.

\*Measures for these series are based on actual changes rather than percent changes (see definition below). @ indicates measures are based on unadjusted data.

#### **BRIEF DEFINITIONS OF MEASURES SHOWN IN PART 1**

The measures in this appendix provide a historical perspective for interpreting current changes in each series. They are derived using the Census X-11 seasonal adjustment program. Brief definitions of the measures are given below; more complete definitions appear in *Electronic Computers and Business Indicators* by Julius Shiskin, issued as Occasional Paper 57 by the National Bureau of Economic Research, 1957 (reprinted from *Journal of Business*, October 1957).

"O" is the average month-to-month percent change, without regard to sign, in the original unadjusted series. (See final paragraph below for exceptions to these definitions.)

"CI" is the same for the seasonally adjusted series.

 $^{\prime\prime}\overline{C}^{\prime\prime}$  is the same for the short-term trend, which is a smooth, flexible moving average of the seasonally adjusted series.

 $^{\prime\prime}\overline{I^{\prime\prime}}$  is the same for the irregular component, which is obtained by dividing the seasonally adjusted series by the short-term trend.

" $\overline{1}/\overline{C}$ " measures the relative smoothness (small values) or irregularity (large values) of the seasonally adjusted series. It is the ratio of the average monthly percent change (without regard to sign) in the irregular component to the average monthly percent change (without regard to sign) in the short-term trend

"MCD" (months for cyclical dominance) estimates the number of months required for the short-term trend to dominate the irregular component. Average percent changes are computed for spans of from 1 to 12 months for both the irregular component and the short-term trend. MCD is the shortest span of months for which the average percent change (without regard to sign) in the short-term trend is greater than that in the irregular component. All MCD's greater than "5" are shown as "6".

# Appendix B. AVERAGE CHANGES AND RELATED MEASURES OF VARIABILITY—Continued

"Average Duration of Run" (ADR) is another measure of smoothness and is equal to the average number of consecutive monthly changes in the same direction in any series of observations. When there is no change between two observations, a change in the same direction as the preceding change is assumed. The ADR is shown for the seasonally adjusted series (CI) and the MCD curve, which is a moving average (with the number of terms equal to MCD) of the seasonally adjusted series. A comparison of these measures with the expected ADR of a random series indicates whether the changes approximate those of a random series. In a random series, the expected ADR is 1.3 and the actual values fall between 1.36 and 1.75 about 95 percent of the time. For a moving average of a random series, the expected ADR is 2.

Measures for series identified with an asterisk (\*) are computed by an additive method. This method is used for series with zero or negative data, series which could approach zero, and series expressed in percent. In this method, the measures are defined the same as above except for two differences: (1) the measures are based on actual month-to-month changes (rather than percent changes) and (2) the irregular component is obtained by subtracting the short-term trend from the seasonally adjusted series. The average changes shown above for the components of such a series are in the same unit of measure as the series itself. The unit is indicated in the series title.

#### Part 2. Quarterly Series

Series title	Period	ō	CI	ī	C	T/C	acd	Average duration of run (ADR)		
	covered							CI	QCD	
200. Gross national product	IQ '57-IVQ '73	5.70	1.79	0.32	1.73	0.18	1	9.57	9.57	
264. Federal Government purchases of goods and services, national defense	10 '57-IVQ '73	6.18	2.00	.76	1.71	.45	1	3.05	3.05	
*546. Transfers under U.S. military agency sales contracts-exports (mil. dol.) .	10 '60-IVQ '73	76.33	54.22	39.30	29.71	1.32	2	1.67	2.35	
*547. Direct defense expenditures-imports (mil. dol.) @	IQ '60-IVQ '73	34.27	(NA)	26.55	21.70	1.22	2	1.83	2.70	
*613. National defense purchases as a percent of GNP (percent)	IQ '57-IVQ '73	.33	.18	.08	.16	.48	1	5.58	5.58	
650. Manufacturers' new orders from the U.S. Government, aerospace industries	IQ '61-IVQ '73	(NA)	16.77	14.80	5.06	2.92	4	1.38	1.66	
664. Manufacturers' unfilled orders from the U.S. Government, aerospace industries	IQ '61-IVQ '73	(NA)	3.75	2.31	2.51	.92	1	2.32	2.32	
666. Defense Department progress payments outstanding @	10 '57-IVQ '73	4.73	(NA)	2.25	4.22	.53	1	2.48	2.48	
689. Manufacturers' shipments to the U.S. Government, aerospace industries .	IQ '61-IVQ '73	(NA)	4.16	3.27	1.99	1.64	2	1.70	2.27	
*696. U.S. Government cash receipts associated with military sales contracts (million dollars)	ΙΩ '60-ΙVΩ '73	96.62	73.64	56.86	38.62	1.47	2	1.57	2.3	

NA = not available.

\*Measures for these series are based on actual changes rather than percent changes (see definition below). We measures are based on unadjusted data.

(Windicates

#### **BRIEF DEFINITIONS OF MEASURES SHOWN IN PART 2**

These measures are defined the same as those in part 1 except that they are based on quarter-to-quarter percent changes. For example,  $\overline{\text{Cl}}$  is the average quarter-to-quarter percent change (without regard to sign) in the seasonally adjusted series.

In deriving "QCD" (quarters for cyclical dominance), average percent changes are computed for spans of from one to four quarters for the irregular component and the short-term trend. QCD is the shortest span of quarters for

which the average percent change (without regard to sign) in the short-term trend is greater than that in the irregular component. All QCD's greater than "3" are shown as "4". The "Average Duration of Run" (ADR) measures are also expressed in quarters.

As in part 1, measures for series identified with an asterisk (\*) are computed by an additive method. This method is the same as that used for the monthly series except for the use of quarterly data rather than monthly.

# Look Ahead With

# AREA ECONOMIC PROJECTIONS 1990

- States and Regions
- BEA Economic Areas
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- Non-SMSA Portions of BEA Economic Areas

# Prepared by the U.S. DEPARTMENT OF COMMERCE Social and Economic Statistics Administration Bureau of Economic Analysis

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#### ALPHABETICAL INDEX—SERIES FINDING GUIDE

Series title			it issue umbers)	Historical data	Series descriptions	Series title	Series			Historical data	Series description
	number	Charts	Tables	(issue date)	(issue date)		numoer	Charts	Tables	(issue date)	(issue date)
Accession rate, defense products industries	654	8	21	5/74	4/73	Inventories, manufacturers'					
Aerospace industries  Manufacturers' new orders from U.S. Government	650	Car Na				Defense products	659 658	9	22	8/74	2/
Manufacturers' shipments to U.S. Government	689	See New See Ships				Defense products industries	693	9	26	1/72 8/74	2/3
Manufacturers' unfilled orders from U.S. Government	664		led orders.			Ratio to shipments, defense products industries	692	12		11/72	2/7
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Cash receipts associated with military sales contracts	696	13	27	9/74	10/73		000		24	3/14	3/
Direct defense expenditures	547	13	27 27	9/74	10/73	Man-hours, defense products industries	673	10	23	5/74	4/
Transfers under military agency sales contracts Budget outlays for national defense function	546 683	See Outla		9/74	10/73	Manpower – See Civilian manpower and Military manpower,					
					1	Military manpower, Defense Department Military prime contract awards—See Contract awards.	677	10	24	8/74	8/
Cash receipts associated with military sales contracts  Divilian manpower, Defense Department	696 678	See Balar	nce of pays	ments. 8/74	8/68	winterly printe contract average - See contract average.					
Compensation	0/8	10	24	0/14	0/00	Net outlays, Defense Department—See Outlays.					
Payrolls, aggregate weekly, defense products	675	10	23	5/74	4/73	New orders, manufacturers'	648	_			
industries	685	11	25	8/74	8/68	Defense products	647	7	20	8/74 11/72	2/3
Contract awards, military prime						From Government, aerospace industries	650	8	20		2/
Aircraft	626 638		16 19	5/74	8/68	Obligations incurred grown					
Combat vehicles	631	***	17	5/74	8/68	Obligations incurred, gross Defense Department, operations	619		15	4/74	8/
Construction Contracts under \$10,000	634 636		18 19	5/74	8/68 8/68	Detense Department, procurement	621	6	15	4/74	8/
Educational and nonprofit institutions	637		19	5/74	8/68	Defense Department, total Outside Government for national defense	617 623	6	15		8/
Electronic and communications equipment	630		17	5/74	8/68	Obligations outstanding, gross unpaid	023	6	16	4/74	10/
Missile and space systems Other hard goods	627 632	***	16 18	5/74	8/68	Defense Department, operations	644		20		8/
Services	635		18	5/74	8/68	Defense Department, procurement Defense Department, total	645 643	7	20		8/
Ships	628 633		17 18	5/74	8/68 8/68	Operations, Defense Department			20	4/74	8/
	625	7	16	5/74	8/68	Net outlays	681 619	See Outl			
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Defense and space equipment, output	657	See Outr	not of data	nee and ena	ce equipment.	Budget outlays for national defense function	683	11	25	4/74	10/
Defense Department	007	Jee Out	luc or dere	I and and spec	I squipment.	Defense Department, operations Defense Department, procurement	681 682		24		8/
Gross obligations incurred—See Obligations incurred. Gross unpaid obligations outstanding—See						Defense Department Intal	680	11	25 24	4/74	8/
Obligations outstanding.						Output of defense and space equipment	657	9	22	8/74	10/
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Military prime contract awards-See Contract awards.						Payrolls, aggregate weekly, defense products industries	675	See Com	pensation.	1	
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Progress payments outstanding	666	See Prog	ress payme	ents.		Net outlays	682	See Outl			
Direct defense expenditures	547	See Bala	nce of pay	ments.		Obligations incurred Unpaid obligations outstanding	621 645		gations inc gations out		
						Progress payments outstanding, Defense Department	666			1 4/74	8/
Employment Accession rate, defense products industries	654	Son Ann	ession rate.	1	l.	Purchases of goods and services for national defense	264	See Gros	s national	product.	
Employment, production workers, defense products				1	1						
industries Employment, total, defense products industries	671 670	10 10	23 22	5/74	4/73	Shipments, manufacturers' Defense products	688				
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Manpower—See Civilian manpower and Military manpower.			1	1	1	Ratio, inventories to shipments, defense products industries	692	See Inve	ntories.		
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Expenditures—See Outlays.				1	1	Ratio, unfilled orders to shipments, defense products		See Unfi	lled orders		
						industries To Government, aerospace industries	690 ) 689	12	26	4/74	2/
Federal purchases of goods and services for national defense	264	Son Cross	s national	product	1		-				
		300 G102	l samonar	product.	1	Transfers under military agency sales contracts	546	See Bala	nce of pay	ments.	
Gross national product						Unfilled orders, manufacturers'					
Federal purchases of goods and services for national	000					Defense products	661	9	22		2/
defense Gross national product	264	5	14	9/74	10/73		660 664	9		7/71	2/
National defense purchases as percent of GNP	613	5 5	14	9/74		From Government, aerospace industries	691	9	22 26		2/
Gross obligations incurred—See Obligations incurred. Gross unpaid obligations outstanding—See Obligations				2,11	20,10	Ratio to shipments, defense products industries	690	12		11/72	2/
			1	1		Unpaid obligations outstanding—See Obligations				1	

